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LEHIGH REVIEW

A black and white photograph featuring a dark top hat and a pair of light-colored gloves. The hat is positioned in the upper right, casting a shadow on the surface below. The gloves are laid out horizontally in the lower left, with one glove slightly overlapping the other. The background is a light, textured surface. The overall composition is minimalist and elegant.

JANUARY

HERE'S WHY CAMEL'S MILDNESS APPEALS TO OUT-OF-DOORS PEOPLE



"They Never Get on Your Nerves"

Henry Clay Foster, explorer and tiger hunter, has faced many a tense moment when nerves were tested to the limit. Speaking of nerves and smoking, Foster says: "My idea of a mild cigarette is Camel. I've been in some tough spots, but Camels have never thrown my nerves off key, although I'm a steady Camel smoker and have been for years. Camels give me the mildness I want—better taste—the fragrance and aroma of choice tobaccos."



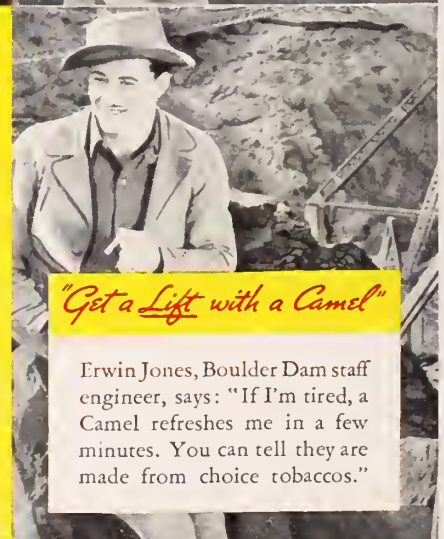
"They Never Tire Your Taste"

Lt. Commander Frank Hawks, holder of 214 speed records, says: "Camels taste better—mild and mellow. They are never irritating to my throat."



"Camels don't get your Wind"

Miss Judy Ford says: "Wishing to keep in the best of condition, I prefer Camels! They are so mild that they never disturb my wind or fray my nerves."



"Get a Lift with a Camel"

Erwin Jones, Boulder Dam staff engineer, says: "If I'm tired, a Camel refreshes me in a few minutes. You can tell they are made from choice tobaccos."

COSTLIER TOBACCOS!

- Camels are made from finer, MORE EXPENSIVE TOBACCOS—Turkish and Domestic—than any other popular brand.

(Signed)

R. J. REYNOLDS TOBACCO COMPANY
Winston-Salem, North Carolina

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● The story appearing under the disguise of five or six different newspapers on page 12 was written by the retiring editor of the Brown and White. According to the author the hit-and-run incident has no connection with any real event. It was his idea first. And that section toward the end was not written by Joseph Parmet at all; he's probably as surprised to see his name there as you are.

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A COMPLETE SELECTION OF FORMAL ACCESSORIES

Atta Boy

Slightly Inebriated (to girl on Broadway) — Do you speak to strangers on the street?

Sweet Little Dove—Oh, no.

Slightly Inebriated—Well, then, shut up!

Exchange

The prim old lady was given the first glass of beer she ever had. After sipping it for a moment she looked up with puzzled air.

"How odd!" she murmured. "It tastes just like the medicine my husband has been taking for the last twelve years."



A prominent business man fell in love with an actress and decided to marry her, but for the sake of prudence he employed a private detective to report on her life. When he received the report, it read as follows:

"The lady has an excellent reputation. Her past is without blemish. She has an excellent circle of pleasant friends—the only breath of scandal is that lately she has been seen a great deal in the company of a business man of doubtful repute."

—Punch Bowl

Frosh: Where's the Men's Room?

Soph: What's it to you?

—Red Cat

We've heard many times of high-pressure lawyers, but this defense certainly wins the top award:

"In the first place, we contend that the kettle in dispute was cracked when our client borrowed it. Second, that it was whole when we returned it. And, third, that we never had it!"

—Exchange

"I shall miss you when you are on your hunting trip, dear," said the young wife affectionately, "and I shall pray that the other hunters do the same."

—Exchange

The Southern father was introducing his family of boys to visiting Governor.

"Seventeen boys," exclaimed the Governor. "And all Democrats, I suppose."

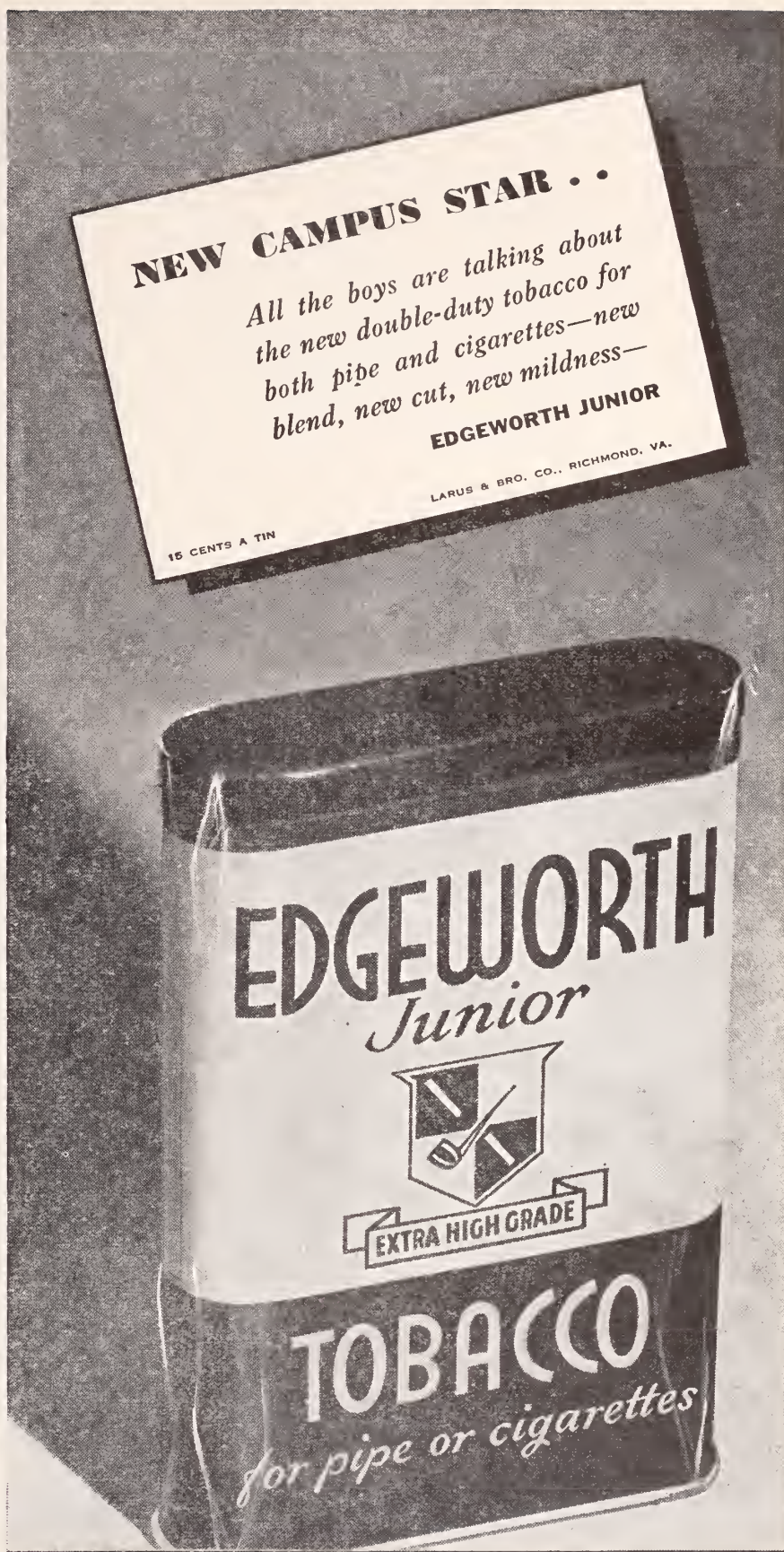
"All but one," said the father proudly. "They're all Democrats but John, the little rascal. He got to readin'."

—Lafayette Lyre

Landlady: If you don't stop playing that saxophone you'll drive me crazy.

Sax Player: Ha, ha, you're crazy already. I stopped playing an hour ago.

Red Cat



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Campus Quiz

If exams are dragging your spirits down, take a crack at this simple quiz. Check your answers against those on page 24, and if you've been around at all you'll be able to tell your folks that you got one passing mark, anyhow. It will take a clever lad to better the mark of 95 set by Dale Gramley, professor of journalism. But with a little luck you may be able to set up a perfect score.

1. Before his appointment to Lehigh, President Williams distinguished himself as Dean of Engineering at
 - (1) Pennsylvania (2) Iowa (3) Illinois
 - (4) Purdue (5) Princeton
2. One of these is not married:
 - (1) Chaplain Beardslee
 - (2) Harold V. Anderson (Chem.)
 - (3) Philip M. Palmer (Arts)
 - (4) Stewart Rankin, M. D.
 - (5) Horace W. Wright
3. If you kept awake in Economics lectures, you noticed that Dr. Carothers wears his Phi Beta

Dugan Brothers

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- (1) On his watch fob (2) near his heart
- (3) on his coat lapel (4) on his sleeve

4. Fraternities were dealt another unexpected sock on the nose when the state ruled that
 - (1) all rushing speeches are subject to the gas tax (2) after 1940 only fireproof buildings may be used for chapter houses
 - (3) fifty percent of the initiation fee must be paid toward the unemployment relief fund (4) all dances and social events are subject to a four percent amusement tax (5) compensation insurance must be carried for all dosemtic help
5. One of the important factors in keeping Lehigh "out of the red" during the last few years has been
 - (1) a steady increase in enrollment (2) increased Federal appropriations
 - (2) ownership of a highly productive western gold mine (4) the comparatively strong position of Packard stock
6. According to its masthead, the Brown and White is a member of the
 - (1) Associated Collegiate Press (2) Eastern Collegiate Newspaper Association
 - (3) International College Press (4) Pennsylvania Press Association (5) International News Service
7. The periodicals in the east wing of the library are arranged
 - (1) clockwise, in alphabetical order
 - (2) counter clockwise, in alphabetical order (3) clockwise, according to subject matter (4) clockwise, according to geographical source (5) very seldom
8. After being battered from pillar to goalpost for ten games the soccer team broke loose and trimmed
 - (1) Navy (2) Ursinus (3) Lafayette
 - (4) Rutgers (5) a Christmas tree
9. You can do almost everything in Drown Hall except
 - (1) play ping-pong (2) borrow a book by by e. e. cummings (3) listen to the music of Ray Noble (4) find a bound copy of the National Geographic (5) buy a chocolate walnut sundae
10. Do you remember that beautiful brunette, Dolly Dawn? She's the young lady who travels around with a gentleman named
 - (1) Barney Rapp (2) Joe Haymes

- (3) George Hall (4) Bud Rader (5) Casa Loma
11. Every loyal Lehigh man heard President Williams' address the nation through the facilities of the C. B. S., but how many remember that the title of his talk was
(1) "The Modern Need for Universal Culture" (2) "The Impace of Social Complexity in Education" (3) "The Trend Toward Complex Impacts in Education" (4) "The Development of Sociological Complexity in Education" (5) "You, Too, Can Become an Engineer"
12. On the first day of school following the Christmas vacation
(1) there was a thick fog over the campus (2) a two-hour hail storm made the campus highways slick and dangerous (3) the temperature climbed to about 45 degrees (4) it snowed like hell
13. A striking demonstration of the possibilities of the initiative as a means for securing change in campus regulations was provided by
(1) the change in the schedule of afternoon classes (2) the creation of a new class for deficient freshmen (3) provisions for a third houseparty (4) a plan by which Arcadia and the Lehigh Union are to merge
14. One of these men has not made a public appearance at Lehigh this year
(1) C. Valentine Kirby (2) Dr. A. A. Allen (3) Harold Samuel (4) Dr. Edgar T. Wherry (5) Dr. Felix Frankfurter
15. For the most unusual first name, the prize must go to Professor
(1) Bidwell (2) More (3) Diefenderfer (4) Bradford (5) Harmon
16. A woman at present holds one of these administrative positions
(1) Comptroller (2) Accountant (3) Publicity Director (4) Recorder (5) Assistant to the Registrar
17. The young ladies of the Moravian Seminary made news last month by
(1) presenting a dramatic sketch over a national radio hook-up (2) petitioning for the removal of their Dean (3) voting for the boycotting of the 1936 Olympics (4) staging a magnificent production of Goethe's "Faust" (5) challenging Lafayette to a post-season football game
18. After the smoke and dust had been cleared away from the Hotel Bethlehem it was discovered that the Senior Prom Committee ended up with
(1) a surplus of \$312.00 (2) a surplus of \$18.19 (3) a deficit of \$12.89 (4) a deficit of \$50.29 (5) two Dixie cups and a glass of water
19. One of these has not been celebrated at Lehigh this year
(1) the bimillennium of the birth of Horace (2) the fiftieth anniversary of Lehigh's first football victory (3) the hundredth anniversary of Andrew Carnegie's birth (4) the bicentennial of the City of Bethlehem
20. For twenty-five years of service as a maker of champions, Lehigh is congratulating this year
(1) Fay Bartlett (2) Morris Kanaly (3) Pete Morrissey (4) Billy Sheridan (5) Price Hall

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Photograph by W. M. White

James Watt

Protagonist in the Saga of Steam

and fifty thousand years to pull himself up by his Pleistocene bootstraps to emerge from his aboriginal, animal existence. A slow starter, he barely built up any appreciable progressive momentum until the middle of the eighteenth century.

By that time the genius of Isaac Newton had brought about a gradual change in some strata of the educated classes and the most diverse phenomena were interpreted materially. The emphasis was on matter and mechanical invention found a fertile ground. Thus, in the textile industry, there developed the spinning jenny, the flying shuttle, the roller spinning frame and the mule. But, like Leonardo Da Vinci's eminently practical machines of the thirteenth century, they had to mark time until concentrated mechanical power of large magnitude should become available. An attempt to supply this with water power failed.

Then in 1763, a Promethean inspiration flashed into the mind of an obscure instrument maker at the University of Glasgow, an inspiration prepared for by months of torturing thought. Twenty-seven year-old James Watt, born exactly two hundred years ago January nineteenth, was walking in the Green of Glasgow mulling over the problem of how to harness the power of steam efficiently. "I was thinking upon the engine . . . and gone as far as the Herd's House when the idea came into my head . . . I had not walked further than the Golf-house when the whole thing was arranged in my mind."

Thus James Watt matter-of-factly recounts the genesis of his justly-famed steam engine — that dynamic machine which was to become the great pulsing heart of the Industrial Revolution; the ingenious harness by which the giant strength of steam was to be bent to man's will and spent unstintingly in his service.

Viewed over the whole expanse of man's history, the train of events which Watt's steam engine set off has been little short of cataclysmic. For untold thousands of years, excepting a few spectacular digressions, man, like a larva, had struggled and squirmed slowly upward to the light. Then, of a

TWO centuries ago not one person in a thousand wore stockings; one century ago, not one in five hundred wore them; now, not one in a thousand is without them!" This contrast in mankind's past and present mode of living is a sharp but familiar one. Man took two hundred

by *Walter L. Finlay*

sudden, the stage was set, Watt's engine touched off the fuse, and man sky-rocketed amid clouds of steam. Whither, and whether for good or ill still remains to be seen.

This sensational propellant, steam, found man, judging by our modern standards, an ignorant, squalid, provincial, short-lived peasantry. But, in the relatively short space of a century and a half, it powered the Industrial Revolution, that phenomenal change from peasantry to the Machine Age.

Whether the inventor made the times, the times made the inventor, or the two complemented each other is idle speculation. Suffice it that they coincided. The time at least was ripe although legend has it that the youthful Watt, happening to hold a spoon over the spout of his mother's boiling tea kettle and observing that the compressed steam raised the lid, suddenly realized the power of steam for the first time in history and so invented the steam engine.

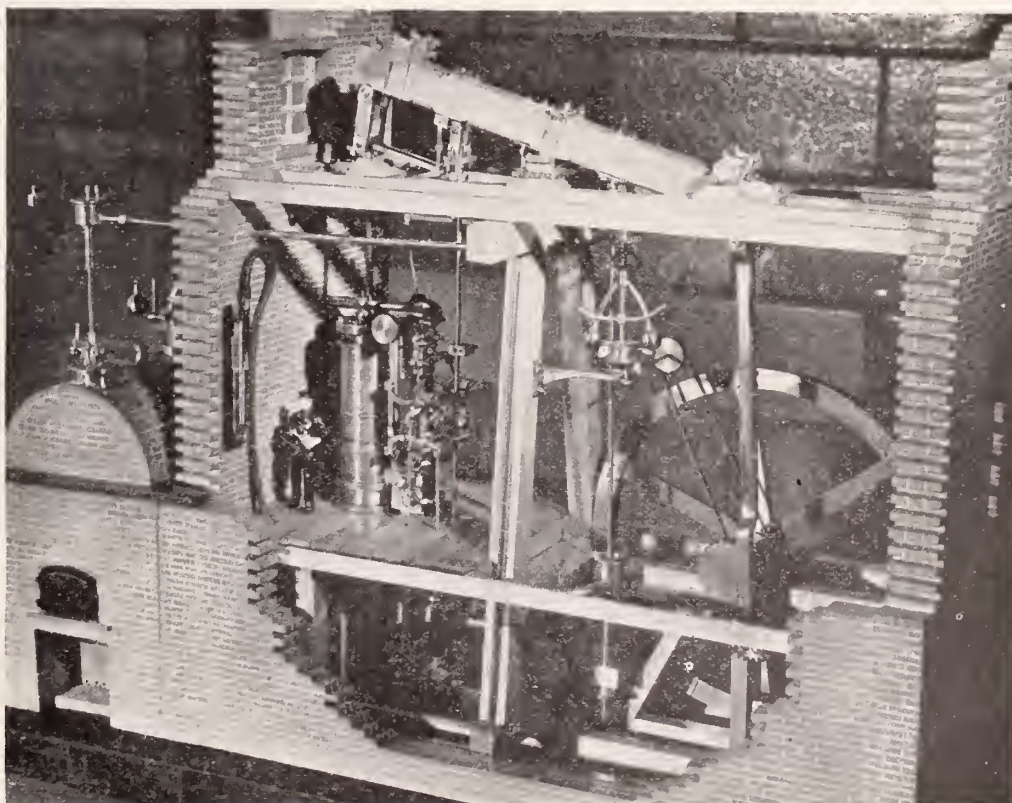
Unfortunately this pleasing tale has no veracity to commend it. The problem in Watt's time was not to discover but to harness the power of steam. Its power was well known, indeed has been known since the time of the Alexandrian, Hero (circa 130 B. C.), in whose *Pneumatica* is described the aeolipile, the first steam reaction turbine and the prototype of the modern whirling lawn sprinkler.

In fact, for more than thirty years before Watt's birth, Thomas Savery's primitive steam engine was being used to pump water from England's coal mines. At the turn of the seventeenth century the mines of England were rapidly flooding and the whole industry was virtually saved from extinction by Savery's and later Newcomen's steam-powered pumps. Then one eventful day the University authorities gave a working model of the Newcomen engine, which had largely supplanted Savery's, to the young instrument maker for repair.

Watt soon had it in running order but what amazed his engineering mind was the relatively enormous amount of steam the little Newcomen engine consumed. Its operation was simple enough and, in principle, could easily have been illustrated by Mrs. Watt's tea kettle. If, after the trapped steam had lifted the lid, young James had squirted a jet of cold water down the spout and thus momentarily condensed the steam, he would have created a partial vacuum which would have pulled the lid sharply back into place.

In the Newcomen's engine a vertical piston, in a chamber distinct from the kettle, took the place of the lid and its motion was transmitted to the pump plunger by a see-saw (walking-beam) arrange-

continued on page 16



Photograph by W. M. White



Figments of Faculty

Final Examinations

by P. E. P. White

MR. Chairman, fellow members of the faculty: Allow me, please, gentlemen, to turn the direction of our deliberations at this time towards a very serious matter which concerns one of those fine old ideals and traditions which have kept out University a stalwart sentinel of learning o'er the years; traditions which you and I gentlemen, are here to maintain and cherish.

I refer to the matter of final examinations.

Now the thoroughness of our final examinations is, I think I may say, a byword among the undergraduates. Alumni have carried the memory with them to the ends of the earth. A contemporary student fancy, conceived in jest, has it that the Ethiopian warriors are threatening to send their captives to Lehigh for second semester finals, unless the Italians stop playing rough. We have a tradition of which we may be proud indeed.

So it is that the close of the semester merits our deepest consideration and most ingenious thought. There must be no lowering of the standards, no turning off of the heat, no relaxing of the pressure. And with the object in view of making 1936 a banner year in examination history, I have jotted down some of the more salient points for compiling bang-up finals, in hopes that some of us may thereby be inspired to even greater things than have hitherto been produced.

With your permission, I will read them.

My first heading is:

CLEAR WORDING

Be on your guard against errors of the sort seen in this question:

Q. Who invented the electric light?
to which the answer is, as anyone knows,

A. Thomas Edison.

Now see how much better the same question could be worded:

Q. Very probably who, do you think, would have been the most directly responsible person for the development of the incandescent glow principle to such an extent that it could be applied to a thin,

high-resistance filament, specially treated, in such a manner that the filament would be caused to produce the effect of a light source when an electric current was caused to flow through it; i.e., what individual is credited most frequently with the advancement of the electric science to a point where . . . (and so on)

Which will draw an answer something like this,

A. In my opinion, it is right, although possibly . . . I mean, yes, of course.

For such a sloppy reply you can knock off ten or twenty points and keep a completely balanced conscience. Next, I have:

THE DEFINITE QUESTION

Q. Derive the formulas for use in the integral calculus.

As there are several thousand common integral formulas, the student is fairly sure to forget some. And if you ask this question in a sociology examination, it is, so to speak, a "cert."

Q. A boiler has a pressure of 72.3 lbs/sq. in. How many rivets will be needed for the roof of the coke pulverizer? What color is a Penguin's egg?

Not very good; it is a type already overworked in ordinary hour quizzes.

Or even, when necessary, something like this:

Q. Describe the Universe.
Then there is:

THE CATCH QUESTION

Q. There is a word meaning the study of insects. spell it.

The right answer to this old one is, naturally, "I T," but you will be surprised at the number of boobs who will bite.

Of considerable value are:

TYPOGRAPHICAL (and other) ERRORS

Q. Who said, and in what year, "There is now an abundance of xrltt\$ycsbit mx jslwtww! brk3vp?"

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Disk Data

by *Manheimer*

THIS is the season when every critic, big or little, picks his ten best for the past year. We see no reason why we shouldn't pick the ten best records for 1935. Here they are:

- Ambrose's "Streamline Strut"
- Noble's "Mad About the Boy"
- Kemp's "The Gentleman Obviously Doesn't Believe"
- Goodman's "Dixieland Band"
- Ellington's "Merry-go-round"
- Kemp's "Lullaby of Broadway"
- Waller's "Truckin' "
- Noble's "Top Hat"
- Ambrose's "Dodging a Divorcee"
- Onyx Club Boys' "The Music Goes Around and Around"

The last is far and away the most popular. Reilly-Farley and their Onyx Club Boys originated the novelty, and to date their arrangement and singing hit the top. Mike Reilly does the vocal honors. Even though the orchestra uses only five pieces, it surely can go to town. With it is coupled "Lookin' for Love." Decca.

Guy Lombardo stages a great comeback with his tunes from "Porgy and Bess." "I Got Plenty of Nothin'" and "It Ain't Necessarily So" are telling tunes which won't lose their popularity. The Gershwins did a good job on their numbers for the folk-opera. Guy's trio sings on both sides. Victor.

With his conquest of Victor, Guy Lombardo has made two other recordings, both of which are in class A, division one. On one "When a Great Love Comes Along" accompanies "Quicker Than You Can Say Jack Robinson." The former is the better of the two, especially in the introduction. That current novelty "The Broken Record" will drive someone crazy sooner or later, but still it is a clever composition. Don't let the ending fool you, it's the recording and not the phonograph which has run down. On its back is "Alone at a Table for Two." Victor.

Louis Armstrong once more toots his torrid trumpet for danceland. It used to be the once famed "Okeh" records which had "Satchmo" Armstrong's patronage, but now Decca takes its turn. His current releases are "I've Got My Fingers Crossed" and "I'm Shooting High," both from the "King of Bur-

lesque," and "Falling in Love With You" and "Old Man Mose." All are good, especially when Louis' trumpet and vocals do their stuff, but still everyone would be perfectly happy if he would stick to the hotter or "Old Man Mose" type of piece. Decca.

From the "Scandals of 1936" come two swell numbers, namely "I'm the Fellow Who Loves You" and "Life Begins at Sweet Sixteen." Victor and Brunswick vie for the sales honors of these pieces with their respective Ray Noble and Hal Kemp orchestras. Both have remarkable arrangements, but Noble's Freshman and peppier swing give him a little leeway on Hal.

For the forthcoming screen production of "Anything Goes" Hoagy "Stardust" Carmichael has written "Moonburn." Bing Crosby, the star of the show, croons this with the help of an instrumental trio including Joe Sullivan's piano. Two other numbers from the same show which Bing has recorded are "Sailor Beware" and "My Heart and I." The latter has clever lyrics. All have the Crosby swing. Decca.

"Moon Over Miami" is the name of another cream-and-sugar offering. Duchin uses its striking smoothness to make one sweet record. On the other side is "Lights Out" which is a little less than so hot. Lew Sherwood sings both. Victor.

That little girl from Harlem, Cleo Brown, plays "When Hollywood Goes Black and Tan." The tune

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Jiu Jitsu

by Leonard H. Schick

THERE was once a big, bold robber who tried to hold up a jiu jitsi expert. Before he could say Ed Auk he was struck in the midriff, toppled from his feet, and knocked colder than an anemic iceberg. And it all happened in considerable less than a half second, elapsed time.

Now, it is always bad business to tackle any one who is acquainted with the ancient art of jiu jitsi. The jiu jitsuan is familiar with anatomy and the sixty-four nerve centers of the body. He knows blows or grips that will completely paralyze any portion of the body. Besides all this the jiu jitsu expert knows how to apply the four fundamental laws of leverage, momentum, inertia, and gravity.

Bethlehem's jiu jitsu expert is "Big Bill" Fleming, director of the Fleming Arts studio, who holds a Master's degree from the American School of Jiu Jitsu. It is from him that much of the information for this article was gathered.

Jiu jitsu as an art was originated centuries ago in old Japan. It was practiced there solely by the nobility and particularly by the samurai, who were the only ones permitted to carry swords. They were thus able to show their supreme superiority over common people even when without weapons. It was considered an insult to the samurai to draw a sword against the rabble.

Jiu jitsu was a secret art guarded jealously from those not privileged to use it until the ancient feudal system was abandoned in Japan. Today, Judo, an elementary form of jiu jitsu, is taught in all the public and private gymnasias in Japan. The sport has spread to Europe and America. In America the American School of Jiu Jitsu is the principle advocate of the scientific art.

It is very rare indeed that one can see an exhibition match in jiu jitsu because of the scarcity of real experts. It would be utter folly and certain suicide for the novice to engage the expert in combat.

The exhibitions that are seen on the motion picture screen are actually exhibitions of Judo. There are about 12 holds or grips that the true expert is under oath never to reveal to any one. He may never apply those grips himself unless his life is in absolute danger.



Before the student in jiu jitsu even learns one grip he must go through a rigorous course of preliminary training. One of the first things that must be learned is oriental breathing, the prime factor in the development of the expert. This method of breathing is exceedingly intricate and it is months before the student can excel in it.

The student must then learn to fall and roll without injury. A jiu jitsu expert is never hurt when he falls because he goes limp as he strikes the mat.

It is not until he has thoroughly mastered these fundamentals that the student is permitted to practice grips and holds. As he learns the more intricate grips he gradually becomes more acquainted with four laws that govern the sport.

The law of leverage is by far the most important in jiu jitsu. A stiffened arm or leg, purposely and properly controlled, can be used to untold advan-

continued on page 15

One of the Boys

WHAT'S his name? It doesn't matter; besides I must confess that I don't exactly know. But I can tell you this about him:

He's rather slight of build, bleak of eye, and physically speaking, not very impressive. But, you say, you're interested in his personality. Well then, here's his mental setup from what I have been able to observe.

He is naturally a reticent fellow. I use the word "naturally" because from my experience he seems afraid of social life. When he first came to Lehigh he was typically small townish to the extent that he was a follower, not a leader, a cog in the wheel, not the main spring that made it run. And now, after being subjected to the atmosphere of Bethlehem, 1,400 other boys and a feeling of independence secured by a \$2.50 allowance per week, he has changed but little, essentially.

He has learned standard quips to be subtly interspersed throughout a conversation to make him appear "collegiate." But put him up against a real wit and he will grow sullen for lack of replies. He talks of going on a "tear" as though it were a regular feature of his social life, but rarely does he expand beyond the confines of a movie and an occasional

glass of beer. He talks of loose women with an easy familiarity, but for the most part his knowledge is second-handed. Altogether, the chief characteristic that he has developed at college is a "big front."

His grades average around a "C." He intends to get his money's worth out of college, he will inform you, and to that end he works hard and long over his subjects. But it doesn't take an acquaintance of long standing to recognize his mediocre ability and lack of originality.

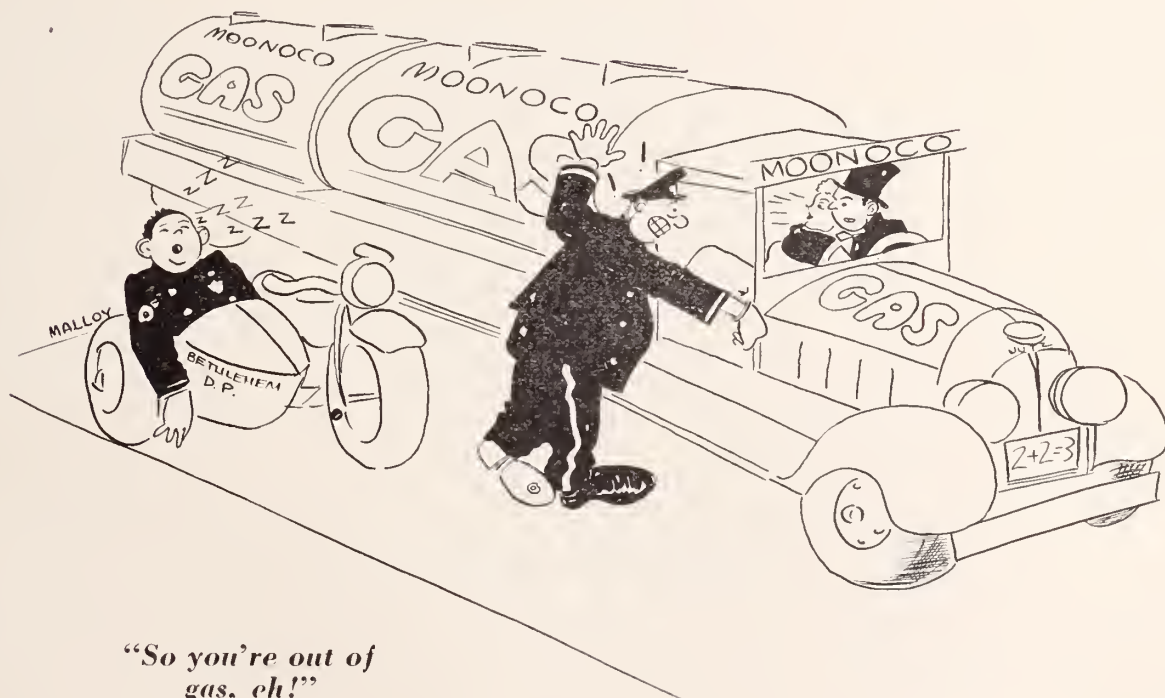
His extra-curricula activities are very few, if any. Usually he picks one thing and goes out for it intermittently throughout the years he spends at school.

One thing he knows and knows well, however, and that is some particular hobby that he has followed through from high school days, and with which he consoles himself when things look blue. Yet, oddly enough, the special interest rarely seems to correspond with the work he has chosen for his career.

What then is his all-around rating? Poor, you might be inclined to say, at first. But then you meet some town boys, and you realize that if ratings are relative, his, for all the negative qualities, ranks high.

Do you still want to know his name? I'm sorry, I can't tell you, because he's one of the Boys Who Just Get Through.

G.Y.



"So you're out of gas, eh!"

(Tarrytown News—Sept. 9, 1935)
Gordon J. Cranford, son of Mr. and Mrs. Thompson Cranford, 518 East New York avenue, left today for Bethlehem, Pa., where he will enroll as a student in Lehigh university.

(Tarrytown News—Sept. 9, 1935)
Leaves for School



Miss Janet Kingsley, daughter of Mr. and Mrs. Robert H. Kingsley, 427 East New York avenue, left yesterday for Oberlin, O., where she will enroll in the Oberlin Conservatory of Music. Miss Kingsley was the featured pianist in the recent concert of the Tarrytown Singers.

(New York Times—Oct. 7, 1935)

Ghostwriters

BUREAU
Any topic, any purpose, any length.
We write it—YOU sign it.
49 East 17th St.

Vickersham
2-9869

(Brown and White—Oct. 11, 1935)

NOTICES

EPSILON ALPHA UPSILON announced the pledging of Gordon J. Cranford, Arts '39.

(Brown and White—Nov. 8, 1935)

Epsilon Alpha Upsilon

The Misses Janet Kingsley, Tarrytown, N.Y.; Theresa Brown, Philadelphia; Constance Stover, Jenkintown; Shirley Ann Breckenridge, Edgewood, R. I.; Helen Radcliffe, Bethlehem; Mary Jane Bitting, Clifton, N. J.; Evelyn Stallman,

Madison, Wis.; Elizajane Kemmerer, Bethlehem; Sylvia Newall, Peekskill, N. Y.; Joan Weber, Baltimore, Md. Chaperones—Captain and Mrs. William M. Tow, Mr. and Mrs. Wallace Upton. Orchestra—Bud Rader, Allentown.

Kappa Alpha

The Misses Margaret Storer, Mantaloking, N. J.; Janice Heorr, New York city; June San-
Bethlehem: Edith Verbeck, Manlius,

(Bethlehem Globe-Times—Nov. 22, '35)

Lyric — Allentown

Gladys Givout, who comes to the Lyric Monday and Tuesday with "Bottoms Up," the new burlesque offering of the Conglomerated Circuit, is said



Gladys Givout

to be one of the most charming women performers in the ranks of burlesque. She possesses that beauty of face and

Acciden

A Social Comedy

by Ju

grace of figure that make her outstanding anywhere she is seen.

The chorus of "cute steppers" with the show is one of the most fascinating ever assembled on one stage. They

(Oberlin Review—Nov. 25, 1935)

T H E O N C E
E VER

Romances do happen suddenly. We wonder, though, just how that sleek French instructor happened to forget himself for that darling blonde conservatory student. Tarrytown (N. Y.) papers please copy!

(Brown and White—Nov. 25, 1935)

Mountain Old Man of the

dance was called off. I hope she doesn't read the local papers.

Burley-cue-ing

The boys from Epsilon Alpha were attracted by the stage Monday evening. They bought out the third row, center section of the Lyric and spent the evening studying anatomy.

Public Opinion

Neil Carothers, Lehigh's much quoted economist, entertained his eco class (fade out).

(Brown and White—Nov. 29, 1935)

Freshman Suspended

A freshman student in arts was suspended yesterday by the faculty for plagiarism in English I. His suspension will be effective for the remainder of the semester, announced Dean C. M. McConn.

In Youth

Newspaper Clippings

Chaeffer

(Allentown Morning Call—Dec. 8, '35)

Hold L. U. Man For Manslaughter

Gordon J. Cranford Traced by Lehigh Sticker on Piece of Broken Windshield

Traced through a piece of a windshield sticker bearing the Lehigh university seal, Gordon J. Cranford, of Tarrytown, N. Y., a freshman at Lehigh university, was arrested Monday and charged with manslaughter and leaving the scene of the accident. He is alleged to have driven the car which caused the death of James Bryant, proprietor of a gas station near Norristown.

Bryant was found dead a week ago Wednesday morning along the road about a half mile from his station. There was every indication that he was the victim of a hit-run driver.

State Trooper William Schwenk, who investigated, found pieces of a broken windshield and on one of these pieces, which had fallen into the underbrush along the road, was a portion of the Lehigh sticker.

Working on this clue, Schwenk pursued the investigation for a week and on Monday took Cranford into custody. He was taken to the office of Prosecutor Albert B. Dawn, at Norristown, where it was reported that he refused to admit any responsibility for Bryant's death.

Cranford, according to his story, was returning from Philadelphia where he had driven the day before. According to Prosecutor Dawn, who was contacted late today, the youth refused to say what had been the purpose of his visit.

(Bethlehem Globe-Times—Dec. 4, '35)

Elkton Marriage Licenses

Gordon J. Cranford, 19, Tarrytown, N. Y., and Gladys Brown, 20, Irvington, N. Y.

Thomas F. Johnson. 22. Fas-

(Bethlehem Globe-Times—Dec. 5, '35)

Charge Dropped Against L.U. Man

Norristown Officials Find Phila. Truck Driver Re- sponsible for Accident

FRESHMAN IS RELEASED

Clearing the charges against Gordon J. Cranford, freshman student at Lehigh University, who has been held since Monday in Norristown, for manslaughter and leaving the scene of the accident, officials today announced that they had been holding the wrong man.

According to Prosecutor Albert B. Dawn, of Norristown, the man responsible for the accident is Michael J. Harrington, a Philadelphia truck driver. Harrington admitted that he struck a man on the road near Norristown early Wednesday morning, the day James Bryant, gas station attendant, was killed.

The prosecutor added that at no time while Cranford was in his custody would he give any information concerning his connections with the accident. He consistently refused to tell how pieces of his broken windshield had come to be at the scene of the death.

Since there were no further grounds for holding the student, he was released early this morning. Up until late this afternoon, however, he had not returned to his fraternity house on Delaware avenue. Other fraternity men claimed to have no knowledge of his future plans.

(Brown and White—Dec. 6, 1935)

Cranford Tells Story of Crash

Brown and White Reporter Interviews Freshman Victim

By Joseph Parmet

As a climax to the manslaughter case which for weeks involved Gor-

don J. Cranford, Arts '39, a Brown and White reporter this morning interviewed the victim of circumstances and secured the information that will clear up his connections with the case.

While reporters from the local papers stood guard at the front entrance



Gordon J. Cranford

of the Epsilon Alpha Upsilon house, Cranford was smuggled to his room through a back entrance. He had returned to pack his belongings, and while he tossed pictures and other wall decorations into a trunk, his interviewer heard his story.

As determined by Norristown authorities, Cranford had no connection with the death of the gas station attendant. He was returning from Philadelphia when the car he was driving turned over along the highway.

"Were you hurt?"

"No, we weren't."

"What do you mean, we?"

Cranford was caught off his guard. But finally he admitted that a girl had been with him. Further questioning revealed that her name was Gladys and that they were returning from Philadelphia where they had spent the evening in the Arcadia.

"It was while we were coming back that it happened. The road was plenty foggy and I was off it before I knew it. The car swerved all over the place and toppled over. We crawled out and a couple of other cars stopped to see what had happened.

"They helped us get the car back on the road, and after we got some more gas and oil we drove on . . . No, I don't know who they were. Why should I?" . . . It was kinda cold because the windshield and one of the side windows were broken, but we didn't mind it too much."

"But why didn't you tell that story when you were arrested? Why did you refuse to say anything?"

"I didn't want Janet to know about it — not for a while, anyway."

"And who's Janet?"

"A girl from my home town. We used to go around together quite a bit.

continued on page 17

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PRINCE ALBERT

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Disk Data

continued from page 9

sizzles and she's no iceberg either. However, the vice-versa side, "When," doesn't do its mate justice. Decca.

Ray Noble gets back to his slower number in "With All My Heart" and "A Beautiful Lady in Blue." The latter is one of the best waltzes to appear for a long time, even though it does carry a strong hint of "Alice Blue Gown." Victor.

Duke Ellington has written and Jimmie Lunceford plays "Rhapsody, Jr." and "Bird of Paradise"



Louis Armstrong

for them what goes in for the hotter of hot tempos. Jimmy knows how to play the Duke's compositions. Decca.

For harmony in the first degree Babs and her Brothers take the first ten prizes. Their recording of "Yankee Doodle Never Went to Town" and "No Other One" shows this. Decca.

Fats Waller tries his hand at two "King of Burlesque" tunes. These are "Spreadin' Rhythm Around" and "I've Got My Fingers Crossed." Fats' piano knows how to talk up to his Armstrong vocals. Victor.

From her photoplay "I Dream Too Much" Lily Pons has selected "I'm the Echo" and "I Dream Too Much." This Red Seal Victor recording shows the true beauty of Miss Pons's voice. The accompaniment by Andre Kostelanetz's orchestra is superb.

Dewey Speaks

It is a warm summer day in Washington. A number of military and naval men are closeted in a room, discussing plans for the war with Spain, which they feel is inevitable.

The men are bragging about the conquests they are going to make, basing their claims upon the territories to which they think they will be assignees.

First one man, then another, tells of the battles he'll win, the lands he'll conquer. Roosevelt says that he'll take San Juan; his friends cheer him mightily. Hobson says that he'll take Santiago; his remarks are met with cheers.

Finally some one notices that Admiral George Dewey is sitting over in the corner and not saying anything.

"What will you take, George?" asked one of the men.

"Well," said Dewey, "I'll take Manila."

—Exchange

Jiu Jitsu

continued from page 10

tage in multiplying a few pounds of pressure into Herculean strength. Any hold is increased manyfold by the use of leverage.

The law of momentum, as defined by physicists, describes that body which surrounds a moving body and tends to keep it in motion. A jiu jitsuan must always endeavor to use his weight and speed to overcome an opponent rather than try to combat the momentum with physical strength alone.

Few people realize the value of inertia to the student of jiu jitsu, but no hold or grip could be executed without it. The scientific application of this law was taught by the ancient Greeks to their wrestlers by means of fables.

The fourth and last law, that of gravity, is also used to a great extent by the jiu jitsuan. An opponent is never picked up and dashed to the floor, but rather he is permitted to fall of his own accord.

Jiu jitsu is growing steadily in favor through the world. There are several schools in the country at the present time that specialize in jiu jitsu instruction, and the state police of the majority of the states are also being taught the secret and intricate holds of a truly great art.

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James Watt

continued from page 7

ment. With the piston at its highest point and the chamber below it full of steam, a jet of cold water was sprayed into the chamber to condense the steam. The partial vacuum thus created sucked the piston down and operated the pump. The valve connecting the chamber to the kettle was then opened and a counterweight lifted the piston and allowed the chamber to fill with steam again.

This was a simple enough operation. But what caused the enormous consumption of steam? Turning scientist Watt found that seven-eighths of the steam used was utilized solely to heat the chamber walls back to the temperature of the steam after they had been chilled by the cold water spray in the previous cycle. Then the remaining one-eighth filled the chamber without condensing to a negligible volume and so was available to do work.

But the first seven - eighths of steam was utterly wasted — a spendthrift excess of 700%. How to eliminate that waste was the problem that furrowed Watt's brow as he strolled the Green of Glasgow that sunny Sabbath afternoon. Between the Herd's House and the Golf-house "the idea came into my mind that, as steam was an elastic body, it would rush into a vacuum and, if communication was made between the cylinder and an exhausted vessel, it would rush into it and might be there condensed without cooling the cylinder."

This idea — the separate condenser — was the essential part of Watt's invention and thus the prime mover of the Industrial Revolution. By it, in Watt's words, the cylinder was "always kept as hot as the

continued on page 22



Accident in Youth

continued from page 13

"But she's bound to find out now."

"Oh, that's all right. I don't care anymore. She just wrote me that she's fallen in love with an instructor at Oberlin. So, what's the difference?"

"And what about the packing? Don't you like Lehigh any more?"

"I'll be back next semester . . . as soon as they'll let me. You see, I was having a Ghostwriters' Bureau do my English themes. The last one they sent sounded a lot like something a guy by the name of Hemmingway wrote last year. The Prof. didn't like it much."

Cranford left Bethlehem on the 10:11 train. At noon, a single reporter was shivering in front of the A. E. U. house. Before afternoon came one of the fraternity took pity on him and told him the whole story.

(Tarrytown News—Dec. 27, 1935)

Announce Wedding Held in November

Miss Gladys Brown Bride of Gordon J. Cranford

The wedding of Miss Gladys Brown, daughter of Mr. and Mrs. Wallace C. Brown, of Irvington, to Gordon J. Cranford, son of Mr. and Mrs. Thompson Cranford, 518 East New York avenue, which took place November 25, in Elkton, Md., was revealed yesterday during a dinner party at the Brown home.

The bride, who has spent the past year on the stage, attended Smith college, but gave up a college education for a career behind the footlights. During her high school days she took a prominent part in local theatricals.

Mr. Cranford, a first-year student at Lehigh university, intends to return to college for the second semester.

●

Of all the "give me a sentence with the word" jokes we've heard, we give the prize to the lad who put effervescent and fiddlestick in one sentence. He said: "Effervescent enough covers on the bed your fiddlestick out."

Love Dirge

Being an Ode to the Departing Year and Girl
Written on a Tablecloth at a Roadhouse at
5 a.m., Jan. 1st, Anno Domini, 1936.

With Season's Greetings to Edgar Allan Poe

Ah! Broken is the golden bowl,
the spirits flown forever.
Let the bells toll for my bank roll
and the bilious state of my liver.

And Hazel dear! Hast **thou** no tear?
Weep now or nevermore!
And it was it that weak and watery beer
that layed you on the floor?
That palid, pale, and pepless beer
that stretched you on the floor?

Babe! I loved you for your face
and for your frame and figure;
And for the investment I had made
for food, corsage, and liquor.

Likewise, I loved you for your warmth
and for your zest at necking,
But who the hell could neck a corpse
is a better man than Gunga Din an I **don't**
care if it **don't**
rhyme.
Boy! Make me a lime—
coke
with three fingers of Seagrams
in it . . .

Ah ring the bells, an' what the hell,
ring now or nevermore.
Ring out my roll,
Ring out her **role**,
My date lies on the floor.

(Earnest Hemingway from the gallery:
"Throw the corpse the hell out!
Throw the damn, stinking thing out!")
—L. C. S.

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Figments of Faculty

continued from page 8

Q.; Underline the errors in spelling:

mjrstlwxxk

dog

cat

bwljbnst

ofl

hat

Q. Translate into English: Qu'est-ce-que c'est
que ce que c'est est-ce que c'est ne c'est pas que
qu'est-ce-que c'est?

Refuse to be moved by false sentiment when students call any such little slips to your attention. "Remember, please!" you must tell them, "University regulations say there must be no discussion of questions on the examination! Now just go ahead and do the best you can!"

A well-used type of question is the:

FILL-IN-THE-BLANKS

Q. An ostrich is to a helioscope as retrograde metamorphosis is to

Q. The school of philosophy emphasizing was called by, whereas said "..... such a ioncept!" and refused to the thing.

It is advisable to add a footnote calling the student's attention to the fact that synonyms are not acceptable.

Q. this whole course and especially this examination.

Another old stand-by is:

THE MATCHING QUESTION

In which you double the score, and subtract, if the student matches an incorrect pair. Or maybe you better triple it.

Q. Matthew Arnold wrote: a) and wrote!
b) Three Men in A Tub c) his uncle d) The Music Goes 'Round and Around e) badly

A type well suited to the new year is:

THE MODERN QUESTION

Q. aHA, with a with bluestiped eel; morbit-slaking SANDPAPERED eel!?
That'll keep them worried. I'm not quite sure what it means, but it is something like Gertrude STEIN. Anyhow, it is the business of youth to keep posted on things like that.

Of considerable use is:

THE CONFUSING QUESTION

Q. The upperband of a rifle is familiarly called

the "upper band." a) What would you do if, alone and armed only with a hatpin, you were attacked in a rainstorm by three enemy machine gun squadrons, five bombing planes, two class "C" tanks, seven platoons of infantry, all well supported by shrapnel? b) What's that got to do with the parts of a rifle? c) Why don't you just leave this question blank? You know you can't win, don't you? When other resorts fail, try:

THE INVISIBLE QUESTION

With a little skill, it can be arranged so the mimeographed sheets turn out something like this:

Q. What did l ry instrumental
wit murb le?
Or even:

Q.

If you are soft-hearted, you can always scribble the full question on the blackboard when the exam is nearly over, being sure to use a thin, musical chalk. You can then call the class's attention to the question in question, mumble something about poor printing, and collect the paper immediately.

On second thought, you might as well let the beggars have a few more moments to worry about it; you can always take off a few extra points when you mark; just on principle.

And may I end my little summary with an earnest exhortation to use all, to remember our traditions, and uphold our standards.

Let our slogan be:

Two out of three
Are flunked by me.

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• Innocents Abed

EMILY POST and some Ladies' Auxiliaries frowned and bundling was no more. Up until the time of the War of 1812 all went well with bundling. It was practiced in homes from Maine to Florida. But then the blow fell. Ministers began to claim that it was "detrimental to the morals of the younger generation." Fond parents decided that a good thing could be carried too far and, as a result, the present generation knows nothing of bundling as a home institution.

One D. Webster defines bundling as "to sleep or lie in the same bed without undressing;—said of man and women, esp. lovers." With this information in mind, the matter of proprieties immediately presents itself to the wide awake person. If, however, bundling were done according to Hoyle, there was nothing to disturb the strictest of people. When the young swain paid a call in the evening during the winter it was generally too cold to sit around and hold hands so the girl's mother suggested that they get to bed before they caught cold. A bit broad minded of the old girl, what?

At this particular stage of the game, the technique of bundling varied, depending on the tastes of the individuals. One school of thought firmly maintained the two should get to bed with a partition down the middle of the bed, one, of course, on either side of the partition. The more conservative bundlers, however, insisted that the young man and woman each climb into a large cloth sack which came up to the neck. These two methods were used in New England, New York, New Jersey and Pennsylvania. It was also to be found in Ireland, Scotland and Wales.

Those ardent disciples who would like to see bundling stage a comeback need not despair entirely. It is still being practiced as a custom in the rural part of Pennsylvania near Lancaster. The practice is not widespread and it is slowly dying out even there. The one thing that spelt the doom of bundling was the better heating conditions in American homes. As the homes became warmer, the necessity for bundling became less. As a matter of fact, by 1875 everyone seemed to be against bundling except the bundlers themselves.

The scene enacted in thousands of early American homes each night must have been truly touch-

PHOTOGRAPHS



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ing. The young couple sat before the fireplace and waited for mama to loom up. It's strange how most mothers seem to loom. I once knew a girl in Elmhurst, Ill., whose mother . . . as I was saying, mama looms up and escorts the couple to the bed room, sees that everything is in order, tucks them into bed and leaves. And to think that an old American custom like that has died out without anyone raising a hand to stop it!

Irving writes of a fictional chap by the name of Van Corlear who "stopped occasionally in the villages to eat pumpkin pie and bundle with the Yankee lasses." Lucky man. G. E. Howard, in his "History of Matrimonial Institutions" also deals at great length with bundling or "queesting" as the Dutch call it. As the history of bundling has been written and may now be handed down from generation to generation, we may at least console ourselves with the fact that bundling is gone, but not forgotten.

H.C.A.



"So you don't like a pleated back, eh!
Who knows best — you or Clark Gable?"

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James Watt

continued from page 16

steam that enters" and the prohibitive steam waste was eliminated. The vacuum was created in the separated condenser by the condensation of the suddenly chilled steam and was maintained by a small pump.

The patent covering the separate condenser feature was taken out in 1769 and, because of its far-reaching effects, is perhaps the most epoch-making one ever obtained. But, in 1782, Watt took out two further patents secondary in importance only to the separate condenser. These made his steam engine, in comparison with the most modern type, identical in principle, only slightly inferior in economy, and different only in certain mechanical features, notably the vertical cylinder and overhead walking-beam which have been replaced by the horizontal cylinder and connecting rod and crank.

The first of these patents concerned the double-acting cylinder in which steam is admitted on one side of the piston while it is being exhausted from the other. This effectively doubles the capacity of the engine. The second patent covered the use of steam expansively, that is, driving the piston only a fraction of its full stroke with the full steam pressure from the boiler, then cutting off the admission of steam and allowing the rest of the stroke to be actuated by the further expansion of the steam already in the cylinder. This resulted in a great economy of steam consumption. These two patents concluded Watt's fundamental contributions to the steam engine but the inventor in him persisted until his death in 1819 as a long line of major mechanical improvements amply attest.

Watt's contributions to the steam engine thus fall into two major classes: first, revolutionary changes based on theoretical fundamentals; second, mechanical improvements.

The separate condenser and the expansive working of steam come under the first classification and firmly establish Watt as a scientist. The engineer, however, has cast the scientist into the shade and today Watt is popularly known as the developer in the steam engine field of double action, slide and poppet valves, parallel motion, centrifugal force governing of speed, steam packing and the steam engineer's invaluable X-ray eye, the "indicator."

The extent of his contribution can be gauged only

when the conditions under which he worked are realized. There was no theory whatever, except the slight advantage of Black's latent heat theory, to use as a guiding working hypothesis. Newcomen's engine, crude, rough-hewn and awkward as it was, it had nevertheless exhausted all the mechanical features and facilities then available to the mechanic and had reached the peak of its efficiency and application. It was a peak that was not even a nadir for Watt's engine. Watt demanded, and himself found, materials and a precision and accuracy for the successful working of his engine that were without precedent.

His basic patents comprehend the entire scope of subsequent steam engine development. When he introduced rotary motion in place of vertical up-and-down pumping action, the applicability of the engine was immeasurably increased. Then, with the smooth, uniform action obtained by his centrifugal governor, the steam engine invaded fields involving the most delicate and complex operations. One industry after another became steam-powered and revolutionized.

In the steam-ship and locomotive, the steam engine became mobile. The Industrial Revolution spread, first to Germany, then to the United States, and finally to Japan. The nineteenth was the century of steam. The twentieth has been called the century of electricity. But merely new phases came in with the gas engine, the steam turbine, and electricity.

Now, in the twentieth century, the steam engine finds itself a waning though still potent force. It was the infantry in the Industrial Revolution. But, like its military counterpart, it is now playing a lesser though nevertheless essential role.

And it seems doomed to an ever-lessening part in the future. Steam power is, in a sense, a misnomer. The power comes from the combustion of the fuel which vaporizes the water to form the steam. Steam, in reality, is thus only a carrier of power. And when, as it inevitably must, the time comes some centuries hence when our coal and oil fields are exhausted, a new source of power will have to be found. J. B. S. Haldane, the English scientist, shrewdly guesses that in four centuries man will turn to the winds as a source of power. Rows of metallic windmills will, in windy weather, drive electric generators which will electrolytically decompose water into hydrogen and oxygen. These gases will then be liquified and stored in insulated underground tanks until, during calm weather, there is a demand for

continued on page 24

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ALFRED BORNSTEIN, '37

James Watt

continued from page 23

power. The gases will then be recombined in explosion motors to drive generators creating electric power.

The Glasgow instrument maker's work will then be done. But he will not be forgotten. Unlike most inventors, he was recognized in life and recognized in death. Admiring colleagues have named the international unit of power, the watt, in his honor. And today, two hundred years after his birth, he is known both to the scientist who knows and appreciates his work and to the layman who is ignorant that Watt ever existed, as a Unit of Power.

As we were waiting for our change in Macy's the other day, we overheard the salesgirl tell a buxom lady next to us that there was a special sale of sachet on that week.

"Sachet?" said the lady. "Just what is sachet?"

"Well," explained the girl, "it's a sort of a little bag of perfume. You put it in your drawers to make them smell sweet."

"I understand what you mean," said the lady. "But isn't it awfully uncomfortable?"

—Princeton Tiger

Answers to Campus Quiz

- | | |
|-------|-------|
| 1. 2 | 11. 2 |
| 2. 5 | 12. 4 |
| 3. 1 | 13. 1 |
| 4. 4 | 14. 5 |
| 5. 3 | 15. 3 |
| 6. 1 | 16. 4 |
| 7. 1 | 17. 2 |
| 8. 3 | 18. 4 |
| 9. 4 | 19. 4 |
| 10. 3 | 20. 4 |



Cagey Constable

Country Constable: Hey, Miss, no swimming allowed in the lake.

Flapper: Why didn't you tell me before I undressed?

Constable: There be no law against undressing.

—Whirlwind

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dispells gloomy thoughts, and brings health and strength.*

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*a corking good cigarette . . .
they've been hitting the trail
with me for a long time*

They are milder . . . not flat
or insipid but with a pleas-
ing flavor

They have plenty of taste
. . . . not strong but just right

*An outstanding cigarette
. . . no doubt about it*





